

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	53753	adipic adj acid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/12 12:10
L2	124994	cyclohexane	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/12 12:10
L3	17263	L1 and L2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/12 12:10
L4	5602	L1 same L2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/12 12:10
L5	121347	nitric	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/12 12:10
L6	480	L4 and L5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/12 12:10
L7	1306070	crystal\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/12 12:10
L8	173	562/543.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/12 12:10
L9	40	L6 and L8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/12 12:10
L10	588	(562/590).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/04/12 12:11
L11	305	L6 and L7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/12 12:10
L12	0	("l9andl11").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/04/12 12:10

L13	9	L8 and L10	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/12 12:10
L14	39	L10 and L3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/12 12:10
L15	20	L5 and L14	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/04/12 12:10
L16	338	(562/593).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/04/12 12:29
L17	2	("5471001").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/04/12 12:29
L18	1	"4254283".PN.	USPAT; USOCR	OR	ON	2005/04/12 12:30
L19	2	"3096369".PN.	USPAT; USOCR	OR	ON	2005/04/12 12:30

	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L1	53753	adipic adj acid	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/04/12 12:10
2	BRS	L2	124994	cyclohexane	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/04/12 12:10
3	BRS	L3	17263	L1 and L2	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/04/12 12:10
4	BRS	L4	5602	L1 same L2	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/04/12 12:10
5	BRS	L5	121347	nitric	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/04/12 12:10

	Comments	Error Definition	Errors
1			
2			
3			
4			
5			

	Type	L #	Hits	Search Text	DBs	Time Stamp
6	BRS	L6	480	L4 and L5	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/04/12 12:10
7	BRS	L7	130607 0	crystal\$	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/04/12 12:10
8	BRS	L8	173	562/543.ccls.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/04/12 12:10
9	IS&R	L10	588	(562/590).CCLS.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/04/12 12:11
10	IS&R	L12	0	("l9andl11").PN.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/04/12 12:10

	Comments	Error Definition	Errors
6			
7			
8			
9			
10			

	Type	L #	Hits	Search Text	DBs	Time Stamp
11	BRS	L14	39	L10 and L3	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/04/12 12:10
12	BRS	L9	40	L6 and L8	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/04/12 12:10
13	BRS	L13	9	L8 and L10	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/04/12 12:10
14	BRS	L15	20	L5 and L14	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/04/12 12:10
15	BRS	L11	305	L6 and L7	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/04/12 12:10

	Comments	Error Definition	Errors
11			
12			
13			
14			
15			

	Type	L #	Hits	Search Text	DBs	Time Stamp
16	IS&R	L16	338	(562/593) .CCLS.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/04/12 12:29
17	IS&R	L17	2	("5471001") .PN.	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/04/12 12:29
18	BRS	L18	1	"4254283" .PN.	USPAT; USOCR	2005/04/12 12:30
19	BRS	L19	2	"3096369" .PN.	USPAT; USOCR	2005/04/12 12:30

	Comments	Error Definition	Errors
16			
17			
18			
19			

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(ROSPATENT) added to list of core patent offices covered
NEWS 4 FEB 28 PATDPAFULL - New display fields provide for legal status
data from INPADOC
NEWS 5 FEB 28 BABS - Current-awareness alerts (SDIs) available
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NEWS 7 MAR 02 GBFULL: New full-text patent database on STN
NEWS 8 MAR 03 REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS 9 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 10 MAR 22 KOREAPAT now updated monthly; patent information enhanced
NEWS 11 MAR 22 Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS 12 MAR 22 PATDPASPC - New patent database available
NEWS 13 MAR 22 REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS 14 APR 04 EPFULL enhanced with additional patent information and new
fields
NEWS 15 APR 04 EMBASE - Database reloaded and enhanced

NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

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=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

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STRUCTURE FILE UPDATES: 11 APR 2005 HIGHEST RN 848290-51-7
DICTIONARY FILE UPDATES: 11 APR 2005 HIGHEST RN 848290-51-7

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*****
*
* The CA roles and document type information have been removed from *
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* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
```

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information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> e adipic acid/cn

```
E1      1      ADIPIC ACI-1,4-CYCLOHEXANEDICARBOXYLIC ACID-DESMODUR N 3300-
          HEXAHYDROPHTHALIC ANHYDRIDE-NEOPENTYL GLYCOL-ISOPHTHALIC ACI
          D-TRIMETHYLOLPROPANE COPOLYMER/CN
E2      1      ADIPIC ACI-ADIPIC ACID HEXAMETHYLENEDIAMINE SALT-ISOPHTHALIC
          ACID HEXAMETHYLENEDIAMINE SALT COPOLYMER/CN
E3      1 --> ADIPIC ACID/CN
E4      1      ADIPIC ACID (1,4-BUTANEDICARBOXYLIC ACID, HEXANEDIOIC ACID),
          BIS(2,3-DIHYDROXYPROPYL) ESTER, POLYMER/CN
E5      1      ADIPIC ACID 1,4-BUTANEDIAMINE SALT HOMOPOLYMER/CN
E6      1      ADIPIC ACID 1,4-BUTANEDIOL-BUTYL ACRYLATE-BUTYL METHACRYLATE
          -HYDROXYPROPYL METHACRYLATE-MALEIC ANHYDRIDE-METHACRYLIC ACI
          D-METHYL METHACRYLATE COPOLYMER/CN
E7      1      ADIPIC ACID 1,4-BUTANEDIOL-N,N'-DIMETHYLHYDRAZINE-ISOPROPYLI
          DENE DICYCLOHEXYL-4,4'-DIISOCYANATE/CN
E8      1      ADIPIC ACID 2,2-BIS(4-AMINOCYCLOHEXYL)PROPANE SALT/CN
E9      1      ADIPIC ACID 2,2-BIS(4-AMINOCYCLOHEXYL)PROPANE SALT POLYMER/C
          N
E10     1      ADIPIC ACID 2,2-BIS(4-AMINOCYCLOHEXYL)PROPANE SALT POLYMER,
          SRU/CN
E11     1      ADIPIC ACID 2,5-DIMETHYLHEXAMETHYLENEDIAMINE SALT/CN
E12     1      ADIPIC ACID 2-METHYLIMIDAZOLE SALT (1:1)/CN
```

=> e3

L1 1 "ADIPIC ACID"/CN

=> d l1

```
L1      ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2005 ACS on STN
RN      124-04-9  REGISTRY
ED      Entered STN: 16 Nov 1984
CN      Hexanedioic acid (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN      Adipic acid (8CI)
OTHER NAMES:
```

CN 1,4-Butanedicarboxylic acid
 CN 1,6-Hexanedioic acid
 CN Acifloctin
 CN Acinetten
 CN Adilactetten
 CN Asapic
 CN E 355
 CN Inipol DS
 CN NSC 7622
 CN NSC 87836
 FS 3D CONCORD
 MF C6 H10 O4
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN,
 CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSChem, CSNB, DDFU,
 DETHERM*, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT,
 ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA,
 MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA, PROMT,
 RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2,
 USPATFULL, VTB
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

HO₂C-(CH₂)₄-CO₂H

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

13096 REFERENCES IN FILE CA (1907 TO DATE)
 3050 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 13115 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 12 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	8.59	8.80

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 FILE LAST UPDATED: 11 Apr 2005 (20050411/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 12

L2 NOT FOUND

The L-number entered has not been defined in this session, or it has been deleted. To see the L-numbers currently defined in this session, enter DISPLAY HISTORY at an arrow prompt (=>).

=> 11

L2 13115 L1

=> crystall?

448315 CRYSTALL?

326523 CRYST

1798 CRYSTS

327790 CRYST

(CRYST OR CRYSTS)

85801 CRYSTD

17492 CRYSTG

220707 CRYSTN

2303 CRYSTNS

221985 CRYSTN

(CRYSTN OR CRYSTNS)

L3 845087 CRYSTALL?

(CRYSTALL? OR CRYST OR CRYSTD OR CRYSTG OR CRYSTN)

=> 12(1)13

L4 161 L2(L)L3

=> d 14 151-161 ti

L4 ANSWER 151 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN

TI Crystallization of ω -dicarboxylic acids in polymer films

L4 ANSWER 152 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN

TI Crystallization of adipic acid

L4 ANSWER 153 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN

TI Cold-resistant rubbers

L4 ANSWER 154 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN

TI Properties of polyesters of bisphenols and dicarboxylic acids

L4 ANSWER 155 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN

TI Crystallization of adipic acid

L4 ANSWER 156 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN

TI Infrared spectra and crystallinity. V. Dimethyl and diethyl esters of α,ω -dicarboxylic acids

L4 ANSWER 157 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN

TI Adipic acid crystallization

L4 ANSWER 158 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN

TI Optical crystallographic properties of organic compounds. II. Aliphatic dicarboxylic acids

L4 ANSWER 159 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN

TI Prevention of crystallization of DDT or its analogs from aqueous emulsion

L4 ANSWER 160 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN

TI Microscopic identification of organic compounds

L4 ANSWER 161 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN

TI Determination of the equivalent weight of organic acids in the crystalline state

=> d 14 152,155,157 ti fbib abs

L4 ANSWER 152 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN

TI Crystallization of adipic acid

AN 1961:27547 CAPLUS

DN 55:27547

OREF 55:5351h

TI Crystallization of adipic acid

PA Stamicarbon N. V.

DT Patent

LA Unavailable

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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NL 93024		19591215	NL	
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AB A hot solution of adipic acid in 50% by weight HNO3 is mixed with a cold recycled crystal suspension and mother liquor till the temperature is below 30°. After further cooling to 15°, part of the suspension is centrifuged, and the remainder recycled.

L4 ANSWER 155 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN

TI Crystallization of adipic acid

AN 1958:56121 CAPLUS

DN 52:56121

OREF 52:10161f-g

TI Crystallization of adipic acid

IN Clark, Wm. B.; Gee, Robert E.

PA E. I. du Pont de Nemours & Co.

DT Patent

LA Unavailable

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
------------	------	------	-----------------	------

US 2813122		19571112	US	
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AB Adipic acid produced by air (followed by HNO3) oxidation of cyclohexane (cf. U.S. 2,439,513, C.A. 42, 7326e) is obtained as relatively pure, large crystals from supersatd. solns., by suppression of nucleation by the presence of by-product C2-C8 mono- and dibasic carboxylic acids (0.1% and 1% by weight, resp.) at 40-70°. The mother liquor is recirculated the process continuous. Flowsheet.

L4 ANSWER 157 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN

TI Adipic acid crystallization

AN 1957:5664 CAPLUS

DN 51:5664

OREF 51:1255b

TI Adipic acid crystallization

PA E. I. du Pont de Nemours & Co.

DT Patent

LA Unavailable

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
------------	------	------	-----------------	------

GB 745063		19560222	GB	
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AB Best conditions for the continuous crystallization of adipic acid comprise a saturated solution containing by-product dibasic acids at an elevated temperature E.g., crystallization of a supersatd. solution (2-5%) containing 8-18% by-product dibasic acids is carried out at 35-70°. Both the dibasic acids and higher temperature depress nucleation and this effect improved crystal formation.

=> d 14 140-150 ti

L4 ANSWER 140 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN
TI Prevention of the formation of [unwanted] crystalline growths during the crystallization of adipic acid

L4 ANSWER 141 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN
TI Polymers with a fibrous structure

L4 ANSWER 142 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN
TI Selective nucleation of the high-pressure ices

L4 ANSWER 143 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN
TI Preparation of crystalline substances

L4 ANSWER 144 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN
TI Fractional crystallization of individual aliphatic dibasic carboxylic acids with urea from aqueous solutions

L4 ANSWER 145 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN
TI Properties of crystallizing poly(ester urethane) block copolymers

L4 ANSWER 146 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN
TI Nucleated and unnucleated polypropylene

L4 ANSWER 147 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN
TI Adipic acid

L4 ANSWER 148 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN
TI Stabilization of adipic acid crystal size by storage

L4 ANSWER 149 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN
TI Crystallization of adipic acid in the presence of polyorganic siloxane

L4 ANSWER 150 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN
TI Magnetic anisotropy of the localized bond in some molecules

=> d 14 140,143,147 ti fbib abs

L4 ANSWER 140 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN
TI Prevention of the formation of [unwanted] crystalline growths during the crystallization of adipic acid

AN 1970:520021 CAPLUS
DN 73:120021

TI Prevention of the formation of [unwanted] crystalline growths during the crystallization of adipic acid

AU Nalivaiko, A. S.; Postnikov, V. A.
CS USSR
SO Khimicheskaya Promyshlennost (Moscow, Russian Federation) (1970), 46(8), 576-80
CODEN: KPRMAW; ISSN: 0023-110X

DT Journal
LA Russian
AB The formation of a crust of crystallized adipic acid (I) on the surfaces of crystallizers (in the production of I) reduces the output and requires frequent washing with hot water. The relative supersatn. β at which such crusts are formed depends on the flow conditions, i.e., $\beta = 0.785 - (2.18 + 10^{-5} Re)$ (where Re is the Reynolds number), while the induction time for the beginning of incrustation decreases from 60 min to zero when β is increased from 0.30 to 0.75. The addition of surfactants to the I solution, or coating the walls with fluorinated and other plastics failed to prevent or retard the incrustation; Incrustation was reduced or prevented by increasing the flow rate, by improving the surface finish of the walls (made of steel 1Kh18N10T), or by reducing the rate of cooling of

the solution in the crystallizer.

L4 ANSWER 143 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN
TI Preparation of crystalline substances
AN 1968:446943 CAPLUS
DN 69:46943
TI Preparation of crystalline substances
IN Panov, V. I.; Novikov, A. N.; Plekhova, V. P.
SO U.S.S.R.
From: Izobret., Prom. Obraztsy, Tovarnye Znaki 1968, 45(15), 18.
CODEN: URXXAF
DT Patent
LA Russian
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	SU 216621		19680426	SU	19670104
AB	Crystalline substances such as KCl and adipic acid are prepared from solns. by the addition of modifiers to the solns. To increase crystal size and decrease polydispersity, 0.005-0.01 weight poly(vinylaminopropyl carboxylic acid) is used as a modifier.				

L4 ANSWER 147 OF 161 CAPLUS COPYRIGHT 2005 ACS on STN
TI Adipic acid
AN 1965:497772 CAPLUS
DN 63:97772
OREF 63:17907c-e
TI Adipic acid
PA Scholven-Chemie A.-G.
SO 5 pp.
DT Patent
LA Unavailable
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	NL 6411575		19650608	NL DE	 19631205
AB	The reaction product obtained from the oxidation of cyclohexanol with HNO3 is cooled to 20-5°, separated in a thickener (1), centrifuged (2) and washed (3), resulting in a crude adipic acid which is purified by recrystn. (4), centrifugation (5), and subsequent washing (6). The mother liquors from the 1st 3 operations are concentrated and added to 58% HNO3 which is recycled to the reactor, while the condensate (and fresh H2O to keep the total amount of H2O in the system constant) is used for the final washing. The mother liquor from 5 is used for washing in 3, and the filtrate from 6 is used to dissolve the crude adipic acid for the recrystn. 4. Only 2% of the recovered HNO3 stream is removed from the system to keep low the level of by-products.				

=> logoff hold
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
29.78	38.58

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-4.38	-4.38

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STN INTERNATIONAL SESSION SUSPENDED AT 09:20:57 ON 12 APR 2005

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PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
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FILE 'CAPLUS' ENTERED AT 09:21:20 ON 12 APR 2005
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	30.23	39.03

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-4.38	-4.38

=> d 12 129-139 ti

L2 ANSWER 129 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Foamable pharmaceutical compositions for the dermatol. administration of corticosteroids and antifungal agents

L2 ANSWER 130 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Benzophenone compound and ink composition including the same

L2 ANSWER 131 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Electrophotographic developer, carrier, and process cartridge

L2 ANSWER 132 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Control of viscosity of modified propylene polymer solutions

L2 ANSWER 133 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Taste-improved oral liquid formulations containing magnesium salts, and method for improvement of taste of oral liquid formulations

L2 ANSWER 134 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Enzymatic method for producing cadaverine dicarboxylate and its use for the production of nylon

L2 ANSWER 135 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Alkoxyated dendrimers and their use as biodegradable demulsifiers

L2 ANSWER 136 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Catalytic Oxidation with Air of Cyclohexanone to Dicarboxylic Acids on Synthetic Carbons. Effect of Supported Metals and Solvents

L2 ANSWER 137 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Ion-conducting thermally convertible polymeric material and polymerized compound for its production

L2 ANSWER 138 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Evaporation of methyl- and dimethyl-substituted malonic, succinic, glutaric, and adipic acid particles at ambient temperatures

L2 ANSWER 139 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Organic acids in root exudates and soil solution of Norway spruce and silver birch

=> d 12 118-128 ti

L2 ANSWER 118 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Polyester cloths for opal finishing with sharp patterns, comprising fabrics printed with compositions containing ethoxylated polyhydric alcs. and quaternary ammonium salts

L2 ANSWER 119 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Process and apparatus for manufacture of recycled polyols from linear polyesters

L2 ANSWER 120 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Colorless polyester compositions with good flexibility, thixotropy, and discoloration resistance, and their manufacture and coatings

L2 ANSWER 121 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Additives for detergent compositions with high solids content and good discoloration resistance

L2 ANSWER 122 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Chemical Cross-Linking and High-Performance Fourier Transform Ion Cyclotron Resonance Mass Spectrometry for Protein Interaction Analysis: Application to a Calmodulin/Target Peptide Complex

L2 ANSWER 123 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Biodegradable resin composition combined with starch

L2 ANSWER 124 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Esterification of mixtures containing carboxylic acids recycled from liquid-phase oxidation products of cyclohexane and 1,6-hexanediol manufactured from the mixtures

L2 ANSWER 125 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Catalytic process for the carbonylation of a conjugated diene using a palladium catalyst system containing a diphosphine ligand

L2 ANSWER 126 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Catalytic process for the hydrocarboxylation of ethylenically unsaturated carboxylic acids into dicarboxylic acid using bidentate diphosphine ligands

L2 ANSWER 127 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Ionically cross-linked polymeric paste inks

L2 ANSWER 128 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Aspartame-containing edible films and their manufacture

=> d l2 107-117 ti

L2 ANSWER 107 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Preparation of plasticizers esters from less-branched C13 alcohols

L2 ANSWER 108 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Vegetable oil extraction and oilseed fractionation

L2 ANSWER 109 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Antimicrobial salt solutions for food safety applications

L2 ANSWER 110 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Pigment-based ink-jet ink systems with polyurethane binder and crashing agent

L2 ANSWER 111 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
TI Catalyst/oxidizer-based CMP system for organic polymer films

L2 ANSWER 112 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN

TI Rust inhibitor for antifreezing agent used in automotive radiators
 L2 ANSWER 113 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Methods of synthesis of polysuccinimide or polyaspartate by end capping polymerization
 L2 ANSWER 114 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Polyolefin adhesive compositions and articles made therefrom
 L2 ANSWER 115 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Preparation via biological and chemical synthetic means and antibacterial activity of cephem compounds
 L2 ANSWER 116 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Hair treatment compositions containing guanidinium salts and a xanthine
 L2 ANSWER 117 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Non-corroding cleaning solution and method for removing surface impurities from a semiconductor device

=> d l2 96-106 ti

L2 ANSWER 96 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Lubricating aluminum sulfate-based chemical coating for metalworking at elevated temperature
 L2 ANSWER 97 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Oiling agent composition for carbon fiber precursor acrylic fiber and manufacture of carbon fiber precursor acrylic fiber
 L2 ANSWER 98 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Water-based polyurethane compositions and their water-resistant adhesives showing high adhesion strength to plastic films, metals, and rubbers
 L2 ANSWER 99 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Method for crystallization of organic acid
 L2 ANSWER 100 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Identification of a potent non-hydroxamate histone deacetylase inhibitor by mechanism-based drug design
 L2 ANSWER 101 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Antiobesity hot effervescent liquid fiber product for maintenance of digestive equilibrium.
 L2 ANSWER 102 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Catalytic decomposition of nitrous oxide (N2O)
 L2 ANSWER 103 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Self heating material composition and flame-free heater
 L2 ANSWER 104 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Characterization of Organic Compounds Collected during Southeastern Aerosol and Visibility Study: Water-Soluble Organic Species
 L2 ANSWER 105 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Morphological micro-patterning of tubular-windows on crystalline K2V3O8 sheets
 L2 ANSWER 106 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Polyalkoxylated, crosslinked polyglycerols as biodegradable demulsifiers for petroleum emulsion breaking

=> d 12 99 ti fbib abs

L2 ANSWER 99 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN

TI Method for crystallization of organic acid

AN 2004:1125253 CAPLUS

DN 142:59107

TI Method for crystallization of organic acid

IN Suzuki, Shinji; Okubo, Naoto

PA Sumitomo Chemical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 22 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	JP 2004358351	A2	20041224	JP 2003-159705	20030604
				JP 2003-159705	20030604

AB The claimed process comprises crystallizing from a solution containing a compound

dissolved in a solvent, dissolving a part of crystal by adding a solvent, and then recrystg. from a solution containing remained crystal in the

dissolving

process. The process may comprise crystallization by evaporation of the

solvent or

addition of a poor solvent having lower solubility than the dissolving solvent

to

the compound The process gives large average particle size.

=> d 12 85-95 ti

L2 ANSWER 85 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN

TI Negative ion-generating thermoplastic articles showing good impact resistance, compositions therefor, and laminates therewith

L2 ANSWER 86 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN

TI Food preservatives, pH adjustment agents, and seasonings containing egg white peptides, improved preservation of foods, and foods and beverages containing the preservatives

L2 ANSWER 87 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN

TI Monomethyl ester derivatives of dicarboxylic acids, processes for preparing same, and uses thereof for their cooling/refreshing effect in consumable materials.

L2 ANSWER 88 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN

TI Toward Templated Metal-Organic Frameworks: Synthesis, Structures, Thermal Properties, and Luminescence of Three Novel Lanthanide-Adipate Frameworks

L2 ANSWER 89 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN

TI Composition based on a polyamide and/or polyester matrix, and articles produced from this composition

L2 ANSWER 90 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN

TI Method of treating flexible polyurethane resin waste products

L2 ANSWER 91 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN

TI Carboxy-functional crosslinkers for epoxy-functional powder coating binders

L2 ANSWER 92 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN

TI Polyisocyanate-modified polycarboxylic acid as crosslinking agent.

L2 ANSWER 93 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN

TI Production of silanol coupling agent and glass fiber surface treatment composition thereof

L2 ANSWER 94 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN

TI Self-crosslinking aqueous polyurethane dispersions.

L2 ANSWER 95 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN

TI Transdermal delivery composition containing a skin permeation enhancer

=> d 12 74-84 ti

L2 ANSWER 74 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN

TI Solid lubricant-containing resin composition for coating metal plates mechanically interlockable by caulking

L2 ANSWER 75 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN

TI Manufacture of 1,6-hexanediol from carboxylic acid-containing mixtures as byproducts of liquid-phase oxidation of cyclohexane

L2 ANSWER 76 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN

TI Latent gel electrolyte precursors for quasi-solid dye sensitized solar cells

L2 ANSWER 77 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN

TI Fuel oil production from municipal waste plastics pretreated with aqueous alkaline solutions

L2 ANSWER 78 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN

TI Disinfecting agent

L2 ANSWER 79 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN

TI Production method of water dispersions of nonuniform polyurethane particles useful for films, coatings, and adhesives

L2 ANSWER 80 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN

TI Acidic peroxide bath for cleaning of Al or Al-alloy articles

L2 ANSWER 81 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN

TI Detergent formulations containing alkaline peroxide salts and organic acids

L2 ANSWER 82 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN

TI Ammonium salt-containing polishing composition and polishing method of substrates

L2 ANSWER 83 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN

TI Saccharide-derivatized oligosaccharides useful for bulking agents

L2 ANSWER 84 OF 13115 CAPLUS COPYRIGHT 2005 ACS on STN

TI Bacillus capsular poly- γ -glutamic acid conjugates for eliciting immune responses against Bacillus infection

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

56.70

65.50

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-5.11

-5.11

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 09:24:49 ON 12 APR 2005